

NICHEJDA, J.

The use of gas turbines in the world and possibilities of their application
and development. Pt.1. Gas turbines in transportation. p.2
ENERGETIKA (Ministerstvo Energii) Stalingrad
Vol. 10, no. 1, Jan./Feb. 1956

So. East European Accessions List

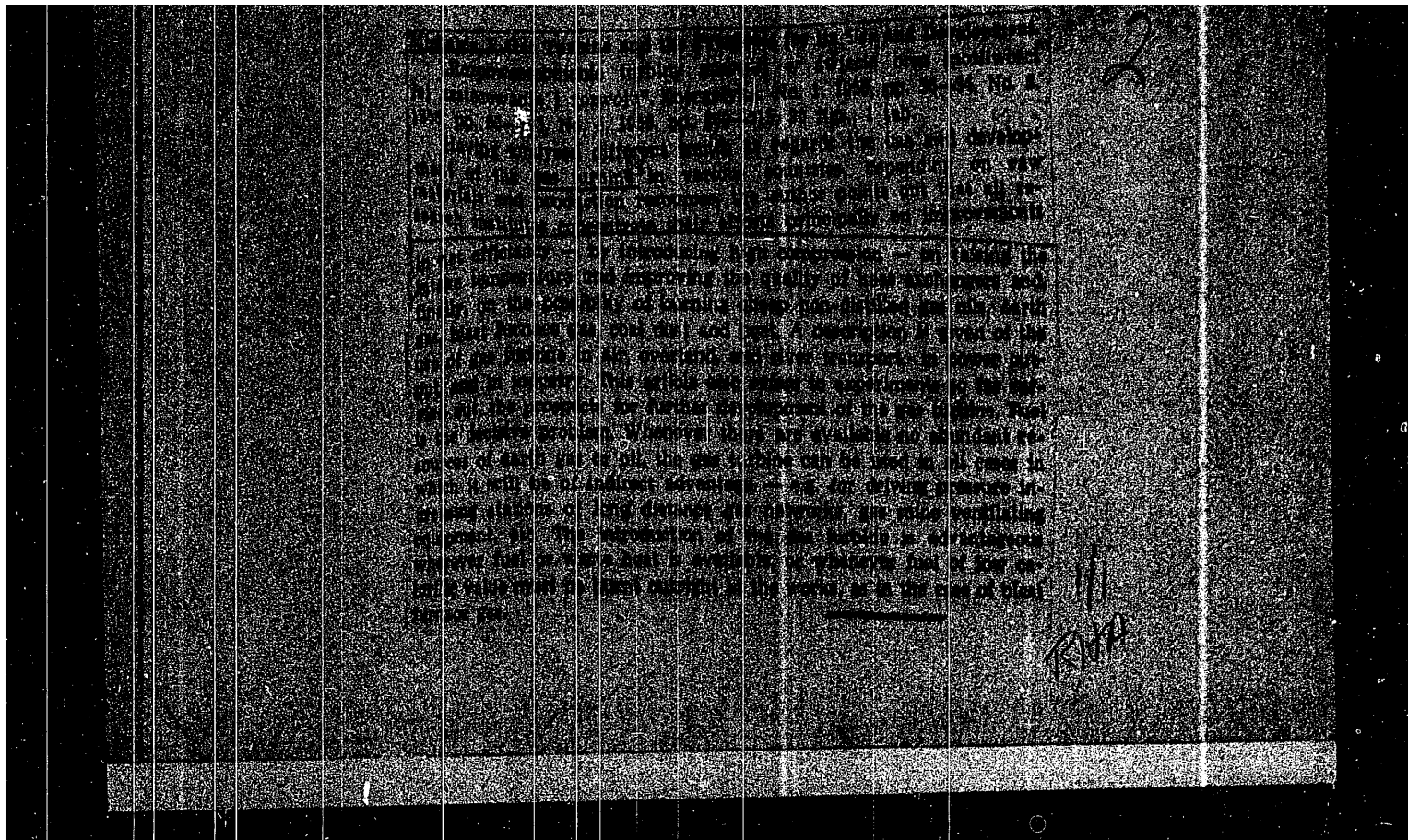
Vol. 4, No. 9

October 1956

MICHEJDA, J.

"Ekonomika Energetyki Jadrowej, " by J. A. Lane; translated from English to Polish
by J. MICHEJDA. Nukleonika, Vol. I, No. 1, Warsaw, PWN, June 1956.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800022-6



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800022-6

Polish Technical Abstr.
No. 1 1954
Mechanics, Electrotechnics,
Power

2590

621.316.724

Michalski, J. Load Adjustment of Electric Power-Fed Units in Industrial Plants.

„Uregulowanie obciążenia odbiorników elektrycznych w zakładach przemysłowych”. Przegląd Techniczny. No. 4, 1953, pp. 144—148, 5 figs.

The means adopted by industries to reduce the peak load in electric power plants should comply with two conditions: they should produce a rapid effect and not cause any disturbances or limitations in industrial production. The chief means of reducing the peak load is to shift it to non-peak load hours. Considerable savings can also be achieved by: turning off superfluous lights, banning electric heating in such premises as are served by other systems of heating, prohibiting the use of electric heaters during peak hours, closing the supply of current to motors at idle run, and by other similar means. The author quotes a number of examples of adjusting the load course.

8-30-54
E.H.

PTA

0

1163

658 26.621 331

Michejda J. Principles of Correct Planning of Electrical Energy and Power Distribution in Industrial Plants

„Podstawy prawidłowego planowania energii elektrycznej i mocy w zakładach przemysłowych” Przegląd Techniczny No 3, 1951, pp 121-127, 5 figs., 1 tab.

The necessity of fixing for electric power demand standards based on specific conditions in industrial enterprises. Correlation between rational production and consumption of electrical energy. Criteria

by which it may be determined whether the demand for electric energy and power as declared by individual enterprises is correct.

Supply, Generation, Power
Station, Substations

S. K.

B. 11
E

621.311.15
520. Data required for correct planning of the utilization of electric power in industrial undertakings. J. MICHURDA. *Energetika*, 1, 118-24 (No. 4-5, 1951) In Czech. See also *Energetyka*, 121, et seq. (No. 3, 1951) In Polish.

During the war compulsory reduction of the peak load in all industrial undertakings in Germany revealed that in a large number of cases this was possible without any adverse effect on the output. The problem has been investigated very thoroughly in the Soviet Union where a number of specifications have been worked out on the absolute and specific consumption of energy for a large number of industries and processes. The various relations determining current consumption indices are discussed and curves and data obtained in wartime investigations in Germany and extensive postwar investigations in the Soviet Union (in ore mines, blast furnace plants, etc.) are given.

E. GROS

AP 52

MICHEJDA, Janusz

Non-specific chronic prostatitis. Polski przegl. chir. 29 no.
3:227-233 Mar 57.

1. Z Oddziału Urologicznego A.M. w Gdansk Kierownik: doc.
dr. Lorenz. Adres autora: Sopot, ul. Mickiewicza 28.
(PROSTATITIS,
non-specific, chronic (Pol))

MICHEJDA, Janusz

Biopsy in diagnosis of prostatic cancer. Urol. polska 9:
43-46 1956.

1. Z Oddziału Urologii A.M. w Gdansk, Kierownik: doc. dr.
Tadeusz Lorenz.

(PROSTATE, neoplasms,
biopsy (Pol))

(BIOPSY,
prostate, in cancer (Pol))

MICHEJDA, J.

Seasonal changes in carrot (*Daucus carota* L.) tissues cultured in vitro. *Acta soc botan Pol* 33 no.1:95-111 '64

The complex effect of external conditions on growth and respiration of carrot (*Daucus carota* L.) tissues cultured in vitro. *Ibid.*:113-120

1. Department of Plant Physiology, A. Mickiewicz University, Poznan.

MICHEJDA, Jan

Problems of physiology of mitochondria in invertebrates.
Postepy biochem. 10 no.1:55-75 1961.

MICHEJDA, Jan W.

Studies on the possibility of using the ability of insects to build isolated sarcosomas into the biosynthesis of proteins. Biologia zesz nauk Poznan no.4:41-47 '63.

Transformations of proteins in the testicular liquid and in the hemolymph during the imago form development of male Hyalophora cecropia. Ibid.:48-57

Pyridine nucleotides and their oxidation during the development of the Hyalophora cecropia. Ibid.:58-85

1. Institute of Animal Physiology of the Adam Mickiewicz University, Poznan.

MACKIEWICZ, Urszula; KASPRZAK, Leokadia; OBUCHOWICZ, Ludwik; MICHEJDA, Jan

Activity of respiratory enzymes of the succinic oxidase series in experimental iron deficiency anemia. Acta physiol pol 12 no.2:255-265 '61.

1. Z Pracowni Farmakodynamiki A.M. w Poznaniu Kierownik: prof. dr J. Dadlez
Z Zakladu Fizjologii Zwierzat U.A.M. w Poznaniu Kierownik: prof. dr Z. Suchcitzowa,
(OXIDASES pharmacol) (ANEMIA HYPOCHROMIC exper)

MICHEJDA, J.; OBUCHOWICZ, L.

Microcryoscopic methods for the establishment of osmotic values.

p. 147 (Biologia) No. 1, 1956, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

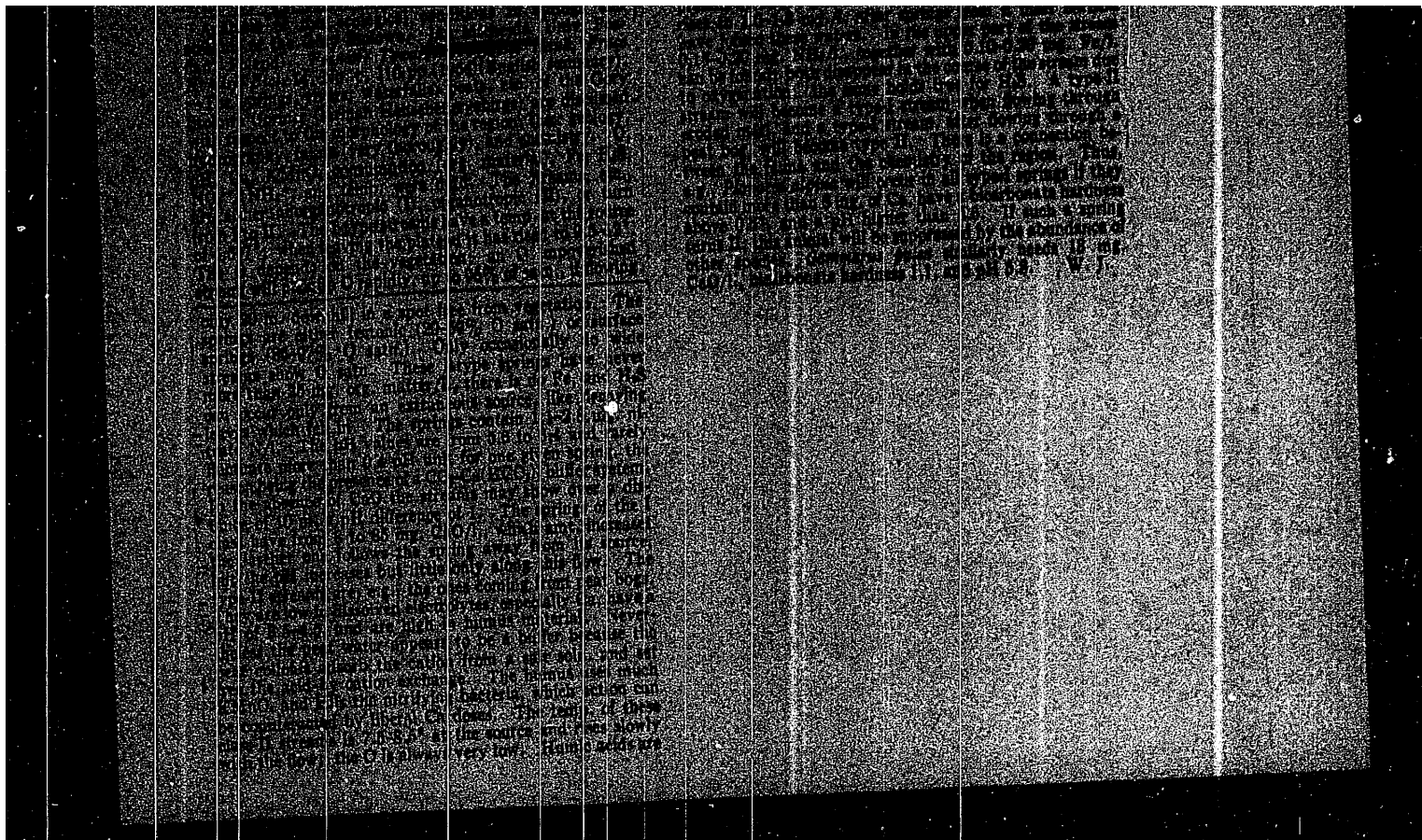
MICHEJDA, J.
MICHEJDA, J.

Problems of energy metabolism in animals.

p. 97 (Biologia) No. 1, 1956, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800022-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800022-6

East European Vol. 3, No. 3 1954
SO: Monthly List of ~~222222~~ Russian Accessions / Library of Congress, March ~~1954~~, Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800022-6

MICHEJDA, Jan, doc. dr; KASPRZAK, Leokadia, M.Sc.; OBUCHOWICZ,
Ludwik, dr; ZERBE, Teresa, M.Sc.

Respiratory metabolism in the snail, *Helix pomatia*.
Pt. 3. Sciences biol Biul Poznan no.4:115-134 '64.

1. Department of Animal Physiology, A. Mickiewicz University,
Poznan.

MICHEJDA, Jan, doc. dr

Physiology and structure of flight-muscle sarcosomes in the silkworm, *Hyalophora cecropia* L. Sciences biol Biul Poznan no.4:61-102 '64.

1. Department of Animal Physiology, A. Mickiewicz University, Poznan.

CZOSNOWSKI, J.; MICHEJDA, J.

Metabolism of excised embryos of *Lupinus luteus* L. Pt. 4.
Acta soc botan Pol 33 no.2:335-350 '64.

1. Department of Plant Physiology, University, Poznan.

MICHEJDA, Barbara

Erroneous forensic estimation of the direction and distance of a gunshot in the cranium. Arch.med.sad., Warszawa 6:121-125 1955.

1. Z Zakladu Medycyny Sadowej A.M. w Gdansk, Kierownik: prof. dr St. Manczarski.

(CRANIUM, wounds and injuries
gunshot, direction & distance deter., erroneous expert
testimony in court)

(WOUNDS AND INJURIES
gunshot in cranium, direction & distance deter.,
erroneous expert testimony in court.)

MICHEJDA, Adam

Hemorrhage from esophageal varices in children. Polski przegl.
chir. 32 no.7:643-654 J1 '60.

1. Z Kliniki Chirurgii Dziecięcej AM we Wrocławiu Kierownik:
zast. prof. dr A.Michejda.
(ESOPHAGEAL VARICES in inf & child)

MICHEJDA, Adam

Congenital obstruction of the anus. Postepy chir. no.5:57-71 1958.

1. Z Kliniki Chirurgii Dzieciecej AM we Wroclawiu.
(ANUS, abnorm.
stresia, surg. (Pol))

MICHEJDA, Adam (Wrocław, ul. Smoluchowskiego 52 m. 8.)

Acute suprameningeal abscess of the spinal column in an infant.
Pediat. polska 32 no.10:1156-1160 Oct 57.

1. Z Oddz. Chirurgii Dziecięcej Szpitala Miejskiego im. L. Rydygiera
we Wrocławiu. Ordynator Oddziału: dr med. A. Michejda.

(SPINE, abscess
suprameningeal, in inf., case report (Pol))

MICHEJDA, Adam (Wroclaw, ul. Smoluchowskiego 52, m. 8.)

Patent omphalointestinal duct in abdominal pathology. Polski przegl. chir.
29 no.5:425-437 May 57.

1. Z II Kliniki Chirurgicznej A. M. we Wroclawiu Kierownik: prof.
dr W. Bross i z Oddzialu Chirurgii Dzieciecej Szpitala Miejskiego im.
L. Rydygiera we Wroclawiu. Ordynator: dr A. Michejda Prace wplynela
8. 6. 1956 r.

(VITELLINE DUCTS, abnormalities,
patency, case reports & review (Pol))

MICHEJDA, Adam; SIKORA, Jan

Duplication of the lower segment of the ileum and the whole large intestine. Polski przegl. chir. 28 no.5:481-488 May 56.

1. Z II Kliniki Chirurgicznej A.M. we Wroclawiu, Kierownik: prof. dr. W. Bross i z Zakladu Anatomii Patologicznej A.M. we Wroclawiu, Kierownik: prof. dr. Z. Albertg, Wroclaw ul. Smoluchowskiego 52/8.

(ABNORMALITIES,

duplication of ileal lower segment & whole large intestine (Pol))

(INTESTINE, LARGE, abnormalities,
same)

(ILEUM, abnormalities,
same)

Michejda, Adam

DRAKOWA, Danuta; MICHEJDA, Adam.

Difficulties in the diagnosis of abdominal symptoms in the course of Schonlein-Henoch disease. *Pediat. polska* 30 no.12: 1177-1184 Dec 55.

1. Z I Kliniki Pediatricznej A.M. we Wroclawiu. Kierownik: prof. dr. med. H.Hirszfeldowa i z II Kliniki Chirurgicznej A.M. we Wroclawiu. Kierownik: prof. dr. med. W.Bross. Wroclaw, ul. Nulla 9 m. 1.

(PURPURA, NONTHROMBOPENIC

Schonlein-Henoch purpura, abdom. manifest., diag.)

(ABDOMEN, in various dis.

Schonlein-Henoch purpura)

MICHEJDA, Adam

Surgical and preventive treatment of umbilical hernia. Polski
przegl.chir. 27 no.9:915-929 Sept '55.

1. Z II Kliniki Chirurgicznej A M we Wrocalwiu. Kierownik: prof.
dr W. Bross. Wroclaw, ul. Smoluchowskiego 52 m. 8.
(HERNIA, UMBILICAL
congen., conservative ther. & surg.)

MICHEJDA, Adam; SLOWIKOWSKI, Jan

Ostre mleczone zapalenie otrzewnej (peritonitis chylosa acuta)
Polski przegl.chir. 27 no.5:461-465 May '55.

1. Z II Kliniki Chirurgicznej A.M. we Wroclawiu. Kierownik: prof.
dr W. Bross. Wroclaw, ul. Smoluchowskiego 52 m 8.
(PERITONITIS,
chylous)

NOWACKI, Florian, MICHEJDA, Adam

Umbilical fistula caused by patent urachus. Polski przegl.chir.
27 no.4:327-333 Apr '55.

1. Z II Kliniki Chirurgicznej A.M. we Wroclawiu Kierownik: prof.
dr. W Bross. Wroclaw, ul. Smoluchowskiego 52 m. 8.

(URACHUS, abnormalities

patent, causing umbilical fistula)

(UMBILICUS, fistula

caused by patent urachus, histopathol)

(FISTULA

umbilical, caused by patent urachus, histopathol.)

SLOWIKOWSKI, Jan; MICHEJDA, Adam; (Wroclaw)

Giant tumors of the abdominal cavity. Przegl.lek. Krakow 11
no.5: 152-155 '55.

1. Z II Kliniki Chirurgicznej A.M. we Wroclawiu. Kierownik:
Prof. dr W. Brosa.

(ABDOMEN, neoplasms
giant tumors)

LIBISZOWSKA-STANIUL, Maria; MICHEIDA, Barbara

Fatal case of air embolism in supplementary pneumoperitoneum. Gruzlica
27 no.2:155-159 Feb 59.

1. Z Kliniki Gruzlicy Pluc A.M. w Gdansku Kierownik: prof. dr T.
Kielanowski i z Zakladu Medycyny Sadowej A.M. w Gdansku Kierownik:
prof. dr St. Manczarski Adres: Klinika Gruzlicy Pluc A.M.G., Gdansk.

(PNEUMOPERITONEUM, ARTIFICIAL, compl.

air embolism, fatal (Pol))

(EMBOLISM, etiol. & pathogen.

air embolism in artif. pneumoperitoneum, fatal case (Pol))

HUNGARY / Physical Chemistry: Surface Phenomena. Ad- B
sorption. Chromatography. Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, No 17, 1958, 56920.

Author : Micheel F.
Inst : Not given.
Title : The Separation of Hydrophobic Substances By
Way of Chromatography on Ether Cellulose Paper.

Orig Pub: Acta chim. Acad. sci., Hung., 1957, 12, No 3 - 4,
331 - 345.

Abstract: The application of ether cellulose paper (P)
obtained through the etherification of regular
paper with carboxylic acids: Acetic, butyric,
benzoic and palmitic was proposed for the chro-
matography of hydrophobic substances which can-
not be separated on regular P. The etherifica-
tion does not change or affect the structure

Card 1/2

MATSKERLE, S., (Brno); MATSKERLE, V., (Brno); MICHAN, V., (Brno);
TESARZHIK, I., (Brno).

Investigation of a clarification tank having a suspended
sediment layer done by the laboratory of water economy
of the Czechoslovak Academy of Sciences. Vod. i san. tekhn.
no.8:36-39 Ag '56. (MLRA 9:10)

(Czechoslovakia--Water--Purification)

VAYNSHTEYN, B.P.; KRUGLIKOV, V.Ya.; RAPOPORT, I.B.; VASIL'YEVA, Z.A.;
KAGAN, L.Kh.; PLOKHINSKAYA, Ye.A.; VOLYNSKIY, A.V.; MIZOVSKIY,
V.V.; KLEVTSOVA, V.P.; Prinimali uchastiye: MICHAN, A.I.;
KONOVAL'CHIKOV, L.D.; AYNSHTEYN, V.G.; KVASHA, V.B.; CHELYANOVA,
D.P.; ZAYTSEVA, A.F.; ANDREYEVA, T.A.

New way to synthesize oxygen compounds from carbon monoxide
and hydrogen over iron-copper catalysts. Trudy VNII NP no.
9:177-196 '63. (MIRA 17:6)

24001

S/080/61/034/006/002/020
D247/D305

The study of nickel- ...

100-140°C and at a flow rate of 0.4 l/l catalyst/hr. At pressures of the order of 10 atm the efficiency of the same catalyst is trebled. There are 4 tables, 7 figures and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc.

SUBMITTED: June 27, 1960

Card 3/3

24001

S/985/61/61/006/002/020
D247/D503

The study of nickel- ...

followed by evaporation, drying and washing. Catalysts on 0.0 (analytical dust) and 0.1 mm carrier were additionally pressed into tablets. Reduction was carried out at 550°C. by passing hydrogen at a rate of 10.0 l/l of catalyst for 4 hrs. Activity of the catalyst was determined by studying the conversion of benzene into hexane, using a continuous flow apparatus. The experiments were conducted using catalysts of 2.02 - 59.1 % Ni content, on 0.0 - 0.0 mm grade carrier, at a temperature 100 - 245°C, pressure ranging from atmospheric to 30 atm. and a benzene flow rate of 0.1 - 1.2 l/l of catalyst/hr. The highest activity has been shown by catalysts containing above 8 % Ni on a carrier having a particle size of 0.0 - 2.0 mm, between 100° and 140°C, in the pressure range of 1 - 10 atm and at a flow rate of 0.3. The Ni-MgO/activated carbon catalyst system has been found to retain its activity for 200 hrs. when working under atmospheric or 10 atm. pressure. Repeated experiments established that a composition of 15 % Ni, 2 % Mg and 83 % carrier is the most active and stable in prolonged use. It gives 100 % conversions of benzene under atmospheric pressure at

Card 2/3

5 1030

2109

21001
S/080/61/034/006/002/023
D247/D309

AUTHORS:

Rapoport, I.B., Fomina, V.V., Michan, A.I.

TITLE:

The study of nickel-magnesium hydrogenation catalysts obtained by the decomposition of oxalates

PERIODICAL:

Zhurnal prikladnoy khimii, v. 34, no. 6, 1961, 1186 - 1192

TEXT: A method has been developed of producing a nickel-magnesium catalyst for the hydrogenation of various organic substances, by deposition into an activated carbon carrier, instead of an alumina as described by I.B. Rapoport and Yu.V. Vysheslavitsev (Ref. 4: Zh. P. Kh. 32, 8, 1958, 1959) and I.B. Rapoport and I. Par (Ref. 5: Zn. P. Kh. 32, 6, 1944, 1959). The preparation involved saturation of activated carbon mark EAY (BAU), of varying mesh size, with solutions of nitrates of nickel and magnesium, containing 0.05-0.06 g Ni/ml and 0.014 - 0.015 g Mg/ml. After drying, Ni and Mg were converted to oxalates by treatment with hot ammonium oxalate

Card 1/3

L 13409-66

ACC NR: AP6007050

and Marie Fekete for assistance with the technical work. Orig. art. has:
1 figure and 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 12Aug64 / ORIG REF: 004 / OTH REF: 013

Card 2/2

L 13409-66

ACC NR: AP6007050

SOURCE CODE: HU/0018/65/017/003/0317/0321

AUTHOR: Benyo, Imre--Bene, I.; Mitsanyi, Attila--Michani, A.; Fusi, Jozsef--
Fyushi, Y.; Gorgo, Pal--Gerge, P.; Ludany, Gyorgy--Ludan¹, D. 29

ORG: Medical University of Budapest, II. Surgical Clinic and Experimental
Research Laboratory (Budapesti Orvostudományi Egyetem, II. sz. Sebészeti Klinika
és Kísérleti Kutató Laboratorium)

TITLE: Effect of lowering of the pH in the duodenum on hepatic blood flow

SOURCE: Kísérletes orvostudomány, v. 17, no. 3, 1965, 317-321

TOPIC TAGS: dog, drug effect, pharmacology, digestive system, liver,
hydrochloric acid, blood pressure, blood circulation

ABSTRACT:

In dogs under chloralose anesthesia, it was determined by means of Hensel's heat-conduction catheter that the hepatic blood flow increases by a mean value of 21 per cent upon the injection of 2.5-3.0 ml/kg of an 0.35 per cent HCl solution into the duodenum. The effect disappears in 5-16 minutes during which period there is a slight but definite drop in blood pressure. The renal blood flow remains unchanged. The intraduodenal administration of physiological saline solution produces no similar effect. The mechanism and clinical aspects of the phenomenon are referred to briefly. The authors thank Gyula Szilassy, Varga Lajos,

Card 1/2 2

KATUNSKIY, A.Ya.; MICHANI, A.; FEDINA, L.; KHAYUTIN, V.M.

Electrophysiological analysis of the formation of vasomotor reflexes. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:51-52 (MIRA 18:6) '65.

1. Laboratoriya b'ofiziki serdechno-sosudistoy sistemy (zav. - doktor med.nauk V.M.Khayutin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

3
CZECHOSLOVAKIA

MICHALUS, M.; IVANOVA, O.; PAJED, I.; GIBODA, M.

Regional Hygiene and Epidemiology Station, Eastern Slovakian Region
(Krajska hygienicko-epidemiologicka stanica Vychodoslovenskeho kraja),
Kosice (for all ?)

Prague, Ceskoslovenska hygiena, No 10, December 1966, pp 609-11

"Mass incidence of [gastric] disorders resulting from ingestion of
smoked tuna in Kosice."

WEST GERMANY

ELLMANUS, H; PORAZIK, I.

Kraj Hygienic-Epidemiological Station of the East Slovakian
KEV (Krajská hygienická-epidemiologická stanica
Východoslovenského KEV), Kosice (for both)

Prague, Ceskoslovenska Hygiena, No 7, 1964, pp 388-394

"Problems of Air Protection in the Construction of Eastern
Slovakia Iron and Steel Works."

GAMLOWSKA, Maria, dr

Adam Michalak, ordinary. Warszawa Pol 21. 20. 5/1974. 40 Mr. 1974.

MICHALUK, Adam

leuroanthocyanidin

Chromatography of leuroanthocyanidin in *Betula verrucosa* L.
Farmacja Pol 19 no.11/12:242-243 25 Je '63.

1. Zaklad Farmakognozji, Akademia Medyczna, Krakow.

POLAND

NICHALUK, Adam, Department of Pharmacognosics (Zaklad Farmakognozji), Medical Academy (Akademia Medyczna) in Krakow

"Chromatography of Leucoanthocyanidines in the Birch."

Warsaw, Farmacja Polska, Vol 19, No 11-12, 25 Jun 63, pp 242-243

Abstract: Following guides in the literature, the author tested the leaves, bark, and timber of the birch tree, and found leucoanthocyanides present in all three, though not necessarily the same. Their presence was established by reaction with 2N hydrochloric acid to produce cyanidine, which was identified chromatographically and spectrophotometrically. The leucoanthocyanidines appear to be in polymer form, as indicated by their low Rf number, and their reaction with vanillic acid and p-toluene sulfonic acid allow the assumption that these polymers are composed of molecules with a fluorogluconic structure. There are 24 references; 6 Polish, one (1) Hungarian, 5 German, and 12 in English.

MICHALUK, Adam

Methods of leucoanthocyanidin analysis. Farmacja Pol 18
no.15/16:355-356 Ag '62.

1. Zaklad Farmakognozji, Akademia Medyczna, Krakow.

*

MICHALUK, Adam

Leukoantocyanides. Farmacja Polska 18 no.7:156-157 Ap '62.

1. Zaklad Farmakognozji, Akademia Medyczna, Krakow.

+

MICHALUK, ADAM

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation: Department of Pharmacognosy of the Academy of Medicine (Zaklad Farmakognozy AM), Krakow; Director (Kierownik): Prof Dr M Koczwara

Source: Warsaw, Farmacja Polska, Vol XVII, No 13, 10 July 1961, pp 258-259

Data: "The Preparation of Quercetin from the Skin of the Onion (*Allium cepa* L.)."

Authors:

MICHALUK, Adam

OSWIECIMSKA, Maria

MICHALUK, Adam

Therapeutic properties of rutin & quercetin. Polski tygod. lek. 13
no.51:2060-2062 22 Dec 58.

(VITAMIN P

quercetin & rutin, ther. properties (Pol))

COUNTRY : POLAND H
 CATEGORY : Chemical Technology. Chemical Products and Their
 Application. Pharmaceuticals. Vitamins. Antibio-*
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 61800
 AUTHOR : Michaluk, A; Bednarska, D.
 INSTITUTE : -
 TITLE : Content of Tanning Substances and of Salicin in
 the Bark of White Willow (*Salix alba* L) and of **
 ORIG. PUB. : Dissert. pharmac. PAN, 1958, 10, No 1, 19-27

ABSTRACT : The distribution of tanning substances, poly-
 phenols and flavones in the bark of white willow
 (WW) and of fragile willow (FW) was investigated.
 It was established that in the bark extract de-
 rived from WW flavones were present, and in that
 of FW - chalcones. The maximum content of tanning
 substances in the bark of WW were found in Feb-
 ruary, and that of FW in March. Maximum contents
 of salicin for both varieties were during the

*tics.

**Fragile Willow (*Salix fragilis* L).

Card:

1/2

ILLEGIBLE

ILLEGIBLE

MICHALUK, A.
POLAND/Cultivated Plants - Medicinal, Essential Oil, and
Poisonous.

M-7

Abs Jour : Ref Zhur - Biol., No 3, 1958, 11114

Author : Michaluk, A., Oswiecimska, M.

Inst : -

Title : An Investigation of Azulenes in Local Raw Materials.
Part III. 24-hour Variations in the Content of Azulenes
in the Calathides of Milfoil (*Achillea millefolium* L.)

Orig Pub : Dissert. Pharmac. PAN, 1956, 8, No 4, 233-238

Abstract : It has been determined that milfoil receptacles contain
the largest amounts of azulenes at 1:00 P.M. and the lo-
west amount at ~ 7:00 A.M. It is recommended that the
receptacles be gathered at between 1:00 and 3:00 P.M.

Card 1/1

15

ILLEGIBLE

MICHALUK, ADAM

POL. 21

Differentiating between tannins and polyphenols. Adam Michaluk (Zaklad Farmakologii, Akad. Med. Leningrad). Pharm. II, 203-211 (1954) (English summary).
 Aq. exts. (1%) from *Quercus infectoria* (galls), *Rhus semi-alata* (galls), *Azadirachta indica* (bark), *Humulus lupululus* (guarana), *Cola acuminata* (embryo), *Quercus robur* (bark), *Quercus tinctoria* (bark), *Carpinus betulus* (bark), *Hamamelis virginiana* (bark), *Krameria flandria* (root), *Aesculus hippocastanum* (bark), *Polanilla tormentilla* (rhizome), *Polygonum bistorta* (rhizome), *Polanilla tormentilla* (rhizome), *Cimicifuga racemosa* (rhizome), *Althaea rosea* var. *nigra* (flower), *Centauria cyanus* (flower), *Sambucus nigra* (flower), *Verbascum thapsus* (flower), and *Helichrysum arvensis* (flower), were subjected to the following qual. tests for tannins (I) and polyphenols (II): the color reactions with 1% aq. solns. of (a) FeCl₃, (b) (NH₄)₂Fe(SO₄)₆, and (c) vanillin (acidified with some HCl), and the pptn. reactions with (d) Mitchell reagent (0.1% FeSO₄ and 0.5% K₂Na tartrate/100 ml. water), (e) 1% aq. soln. of gelatin, (f) Br water, (g) 2% antipyrine soln., (h) 10% neutral Pb caprylate soln., (i) alk. Pb caprylate soln., and with (j) Brauer reagent (1% Na tungstate and 2% Na caprylate/10 ml. dist. water). For comparative purposes the same tests were applied to gallic acid (III), the flavone quercetin (IV), and known specimens of I and of II (pyrogallol, pyrocatechol, hydroxyhydroquinone, and phloroglucinol (V)). The color reactions with a and b (blue, violet, and green) can not be used for specific detection of I; the reaction with c (red or white) indicates the presence of V in the condensed I; the reaction with d in the presence of true I gives a violet or black ppt.; the pos. reaction with e indicates the presence of I; condensed I is pptd. by f at once and gallotannins (VI) after prolonged standing; the reaction with g indicates rather the presence of true I (no definite results have been obtained); the reactions with h and i do not show the presence of I since II and IV also gave ppts.; caprylic acid itself pptd. VI; j is specific for the pptn. of III and its deriva.

B. Wierbicki

MICHALUK, A.

Journal of Applied Chemistry
 March 1954
 Fats

Studies on raw materials with tanning properties. A. Michaluk
 (Prace Kom. Nauk. farmac. polsk. Akad., 1952, 4, 71-94). Qual.
 and quant. methods were used for determining the content of
 tanning agents in *Bergenia cordifolia*, *Geum rivale*, *Polygonum*
bistorta, and various species of *Geranium*, *Cortex quercus*, and
Cortex salicis. Results show that the qual. formaldehyde-ICI
 method of Stiasny (used for determining the pyrogallol or pyro-
 catechol content in the above plants) does not give absolute certainty
 as to the chemical group to which the tannins belong. The iodimetric
 method and the pptn. methods involving use of Cu acetate allow
 quant. determination of tanning agents as well as that of phenols
 and polyphenols. The biological method of Robert (Collection,
 1915, 1916) modified by Wasicky ("Leitfaden für die Pharm.
 akognostischen Untersuchung im Unterricht und in der Praxis," 1936),
 based on the agglutinating power of tannins towards red blood
 corpuscles, gives low results compared with those by the chemical
 methods. This is attributed to the fact that the latter determine
 phenolic substances, whereas agglutination is effected only by
 astringent substances. (25 references.) A. Storer

MICHALSKÝ, J.

✓ Wolff's rearrangement of 1-diazo-3-bromo-4-phthalimido-2-butanone / Jiří Michalský and Irena Ráková (Masaryk Univ., Brno, Czech.) *J. Prakt. Chem.* 8, 181-5 (1959). — α -Bromo- β -phthalimidopropionic acid (10 g.) dissolved in 150 ml. SOCl_2 was kept simmering 2 hrs. on a H_2O bath, the excess of SOCl_2 distd. *in vacuo*, and the obtained acid chloride extd. with C_6H_6 and introduced slowly at -30° into an Et_2O soln. of CH_3N_2 (obtained from 15 g. nitrosomethyl-urea), and kept at this temp. 12 hrs. to yield 7.7 g. 1-diazo-3-bromo-4-phthalimido-2-butanone (I), yellow prisms, m. $116-18^\circ$ (MeOH) (by a too fast addn. of the chloride, 1-chloro-3-bromo-4-phthalimido-2-butanone, m. 141° , is formed). To 8 g. I in 200 ml. freshly distd. MeOH, a suspension of Ag_2O in MeOH (from 6 g. AgNO_3) was added during 1 hr. After the violent liberation of N ceased, the soln. was boiled 11 hrs., treated shortly with activated C, and the MeOH distd. *in vacuo*. The remainder, consisting of γ -phthalimidocrotonic acid, pearly leaflets, m. $103-4^\circ$ (MeOH), yield 4.9 g. L. G. Magnitius

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382(13)

Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61565

Abstract: of α -[β -dimethylamino-phenylenimino]- β -oxo- γ - and δ -phthalimido-valeric, - δ - and ϵ -phthalimidocaproic acids 2-(α -phthalimidoethyl)- (III), 2-(β -phthalimidoethyl)- (IV), 2-(β -phthalimido-propyl)- (V) and 2-(γ -phthalimidopropyl)-3-hydroxyquinoxaline (VI) yield in % and MP in °C (from alcohol) being respectively: 76, 307-308; 82, 286-288; 87, 225-226; 88.5, 235-236. 1.7 g of III boiled 1 hour with 10 ml POCl_3 to get I (R-phthalimido-methyl), yield 60%, MP 256-257° (from alcohol-benzene). Analogously from IV, V and VI were obtained I (R, yield in % and MP °C, being respectively): β -phthalimidoethyl, 68, 195° (from benzene); β -phthalimidopropyl, 63.5, 152-153° (from alcohol); γ -phthalimidopropyl, 70, 158° (from alcohol). 400 mg III boiled 1 hour with 5 ml POCl_3 and 300 mg PCl_5 , poured in water, yield of I (R = α -phthalimidoethyl) 76%, MP 155-156° (from alcohol).

MICHALSKY, J.

Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61565

Author: Borkovec, J., Michalsky, J., Podperova, A.

Institution: None

Title: Aminoalkyl Quinoxalines. IV. Synthesis of 2-phthalimidoalkyl-3-chloroquinoxalines

Original

Periodical: Aminoalkylchinoxaliny. IV. Synthesa 2-ftalimidoalkyl-3-chlorchinoxalinu, Chem. listy, 1955, 49, No 9, 1405-1407; Czech

Abstract: Synthesized were 2-R-3-chloroquinoxalines (I). Mixture of 2 g nitrile of α -[p-dimethylamino-phenylimino]- β -oxo- γ -phthalimido-butyric acid (see preceding communication), 50 ml glacial CH_3COOH , 5 ml concentrated HCl , boiled for 7 minutes, added 600 mg o-phenylene-diamine, 5 ml glacial CH_3COOH and excess aqueous solution CH_3COOK , cooled, added water and there is obtained 2-(α -phthalimidoethyl-3-hydroxyquinoxaline) (III), yield 83%, MP 315° (from alcohol-benzene). Analogously were obtained from nitriles

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Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61564

Abstract: I ($R = CH_2$), yield 56.5%, MP $283-284^\circ$ (from benzene-alcohol); on conducting reaction at $\sim 20^\circ$ there has been isolated III ($R = C_6H_4(CO)_2NCH_2-$), MP $202-204^\circ$ (from benzene-alcohol 5:2). Analogously were obtained (listing the starting material, reaction temperature in $^\circ C$, duration of reaction in minutes, final product, yield %, MP $^\circ C$): VII, 35-40, 30, I ($R = CH_2CH_2$), 68, 194-196 (from benzene-alcohol, 1:1); VIII, 0, 30, I ($R = (CH_2)_3$), 80, 197.5-198 (from benzene-alcohol, 1:1); IX, ~ 20 , 15, I ($R = CH(CH_3)$), 37, 184-185 (from alcohol); II, ($x = 4$, alkyl = pentyl) (see Referat Zhur - Khimiya, 1955, 26228), $\sim 20^\circ$, 10, I ($R = CH(CH_3)CH_2$), 60, 183-184 (from benzene or alcohol). To solution of I and o-phenylenediamine in glacial CH_3COOH at 100° added several drops of 37% HCl (on completion of reaction mixture becomes colorless) to get IV; listed hereafter R, yield of IV in % and MP $^\circ C$: CH_2 , 74, 255 (twice from alcohol); CH_2CH_2 , 70, 204 (from alcohol); $(CH_2)_3$, 65, 180 (from alcohol); $CH(CH_3)$, 78, 183 (from alcohol); $CH(CH_3)CH_2$, 74, 196. Communication II, see Referat Zhur - Khimiya, 1955, 26229.

Card 3/3

Czechoslovakia/Organic Chemistry -- Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur -- Khimiya, No 19, 1956, 61564

Abstract: 2-phthalimidoalkyl-3-cyanoquinoxalines (IV) the derivatives of which have tuberculostatic activity. From 1-diazo-4-phthalimidobutanone-2 in CH_3OH in presence of Ag_2O and subsequent treatment with CH_2N_2 was prepared methyl ester of γ -phthalimidobutyric acid, yield 85%, MP $89-90^\circ$ (from CH_3OH), the saponification of which (ice, CH_3COOH - conc. HCl , 100° , 1 hour) gives the corresponding acid (V), yield 74%, MP $117-118^\circ$ (from water). From V and SOCl_2 (65° , 20 minutes) is obtained the acid chloride of V, the solution of which in absolute C_6H_6 is treated with an ether solution of CH_2N_2 at 0° to give 1-diazo-5-phthalimido-pentanone-2, yield 81%, MP 96° (from ether). The latter treated with 40% HBr in glacial CH_3COOH is converted to 1-brom-5-phthalimidopentanone-2 with 94% yield, MP 139° (from CH_3OH). 1-brom-x-phthalimidoalkanone-2 is mixed with excess pyridine at 60° , washed with C_6H_6 and gives II, hereafter are listed x (figure), alkyl, yield in %, MP $^\circ\text{C}$ (from absolute ether - alcohol, all substances crystallize with 1 mol of alcohol): 3, propyl (VI), 90, 213; 4, butyl (VII), 95, 228-229; 5, pentyl (VIII), 93, 223-224; 3, butyl (IX), 89, 123-125 (decomposes). From mixture of VI, p- $\text{ONC}_6\text{H}_4\text{N}(\text{CH}_3)_2$ and NaCN in 50% alcohol (50° , 10 minutes) is obtained

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MICHALSKY, JIRI

Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61564

Author: Michalsky, Jiri; Borkovec, Josef; Hadacek, Jaromir

Institution: None

Title: Aminoalkyl Quinoxalines. III. Synthesis of Nitriles of 2-phthalimidoalkylquinoxalinecarboxylic acid-(3)

Original
Periodical: Aminoalkylchinoxaliny. III. Synthesa nitrilu kyselin 2-ftalimidoalkylchinoxalinkarbonovych-(3), Chem. listy, 1955, 49, No 9, 1379-1384; Czech

Abstract: There were synthesized nitriles of β -(p-dimethyl-aminophenylimino)- β -oxophthalimido-alkyl carboxylic acids $C_6H_4(CO)_2-NRCOC(CN) = N-p-C_6H_4N(CH_3)_2$ (I) from the corresponding N-x-phthalimido-2-oxoalkyl-1-pyridiniumbromides/II (according to Kroehnke, Chem. Ber., 1947, 80, 298). As intermediates are formed nitrones $RCOCH = N(O)-p-C_6H_4N(CH_3)_2$ (III) which is confirmed by isolation of nitrones in conducting the reaction at $\sim 20^\circ$. From I were prepared

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YICHAIISKY, J.; KRCHA, A.; HAVCER, J.

A contribution to the synthesis of histamine active 4-
methylhistidine on the basis of dimethylammonia. p.535.
Vol. 37, no. 11, 1956. *Chemicheskoe zvezdnoye zheniye*.
Prace. Brno.

SOURCE: East European Accessions List, (EEL), Library of Congress
Vol. 5, no. 12, December 1956.

CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4420

III with a yield of 100%, MP 305-307° (from alcohol-benzene). III was also obtained on boiling (2 minutes) the nitrile of alpha-(dimethylaminophenylimino)-beta-keto-gamma-phthalimidobutyric acid, yield 82.6%. To a mixture of 1.4 g sulfate of IV, 1.9 g CH_3COOH and 50 ml ethylene glycol, are added at 100° 2.5 g I and the mixture is boiled for 10 minutes after which it is diluted with 20 ml water, the precipitate is washed twice with a boiling mixture of HCl (acid) and CH_3COOH , and V is thus obtained with a yield of 65%, together with 2-amino-4,6-dihydroxy-7-phthalimide-methylpteridine. All melting points are corrected.

Communication IV, see RZhKhim, 1956, 61565.

CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry

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Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4420

200, extracted with ether, the ether is removed, added 20 ml acidified water, and there is obtained alpha-keto-beta-phthalimidobutyric acid, yield 60.5%, MP 73-75° (from acidified water); 2,4-dinitrophenylhydrazone, MP 237-238° (from CH₃OH). In the same manner from nitrile of alpha-(p-dimethylphenylimino)-beta-keto-delta-phthalimidovaleric acid is obtained alpha-keto-gamma-phthalimidobutyric acid, yield 92.8%, MP 141-142° (from water); from nitrile of alpha-(p-dimethylaminophenylimino)-beta-keto-delta-phthalimidocaproic acid (50-60°, 1 hour) is obtained alpha-keto-gamma-phthalimidovaleric acid, yield 81.7%, MP 153° (from water); 2,4-dinitrophenylhydrazone, MP 221-222° (from CH₃OH); from nitrile of alpha-(p-dimethylaminophenylimino)-beta-keto-epsilon-phthalimidocaproic acid, is obtained (1 hour, 50-60°) alpha-keto-delta-phthalimidovaleric acid, yield 89%, MP 148° (from water). On condensation of I with II in boiling CH₃COOH is obtained

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CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4420

g VII, 20 ml CCl_4 and 1.4 g Br_2 , are added 2 ml VI, after 5 minutes VI is driven off, 30 ml of water are added and there is obtained 1,1-dibromo-3-phthalimido-propanone-2, yield 70%, MP 150° (from benzene). Mixture of 9 g nitrile of alpha-(p-dimethylaminophenylimino)-beta-keto-gamma-phthalimido-butyric acid, 60 ml 37% HCl and 40 ml water, is allowed to stand for 12 hours, is heated for 15 minutes and ether is used to extract I, yield 91%, monohydrate MP $183-183.5^\circ$ (from water). Mixture of 3 g bromide of N-(2-keto-3-phthalimidobutyl-1)-pyridinium, 15 ml alcohol, 1.4 g p-nitrosodimethylaniline, 0.9 g NaCN and 2 ml water, is stirred 15 minutes at 20° , diluted with 200 ml of water and cooled to 0° , after 15 minutes there is obtained the nitrile of alpha-(p-dimethylaminophenylimino)-beta-keto-gamma-phthalimidovaleric acid (VIII), yield 63.8%, MP 188° . Mixture of 5 g VIII, 30 ml 37% HCl and 20 ml water, allowed to stand for 12 hours at

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CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry

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Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4420

-phthalimidomethylquinoxaline (III), and on reaction with 2,4,5-triamino-6-hydroxypyrimidine (IV), the 2-amino-4,7-dihydroxy-6-phthalimido-methylpteridine (V). To a solution of 0.059 mole iodine in 150 ml dioxane (VI) are gradually added, at 70°, 0.061 mole 1-diazo-3-phthalimido-propanone-2 (VII), the mixture is boiled for 1 minute and there is obtained 1,1-diiodo-3-phthalimido-propanone-2, yield 97.4%, MP 180-183° (from benzene). In the same manner from 1-diazo-4-phthalimido-butanone-2 is obtained 1,1-diiodo-4-phthalimido-butanone-2, yield 97%, MP 148-149°, (from benzene); from 1-diazo-3-phthalimido-butanone-2, after driving off VI and treating the residue with water, there is obtained 1,1-diiodo-3-phthalimido-butanone-2, yield 98%, MP 146-147° (from alcohol benzene); analogously from 1-diazo-5-phthalimido-pentanone-2 is obtained 1,1-diiodo-5-phthalimido-pentanone-2, yield 98.9%, MP 141° (from benzene). To a mixture of 2

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MICHALSKY, JIRI

CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4420

Author : Borkovec Josef, Kuhr Jvo, Janik Borivoj, Michalski Jiri
Title : Aminoalkyl Quinoxalines. V. Preparation of 1,1-Dihalogen-Phthalimido-Alkanone-2 and Phthalimido-Alkanone-2-Carboxylic-1 Acids

Orig Pub : Prace Brnenske zaklad. CSAV, 1955, No 11, 525-534

Abstract : For the purpose of obtaining the starting materials for the synthesis of phthalimido-methylquinoxalines and pteridines there has been synthesized a series of 1,1-diiodo-(or dibromo)-phthalimidealkanes-2 by the action of dihalogen-dioxane on the corresponding phthalimido-alkyldiazomethyl-ketones, while by hydrolysis of nitriles of alpha-(p-dimethylaminophenylimino)-beta-ketophthalimido-acids there were prepared phthalimido-alpha-ketoacids. Alpha-keto-beta-phthalimido-propionic acid (I) on condensation with o-phenylenediamine (II) gives 2-hydroxy-3-

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MICHALSKY, Jiri; KISA, Engelbert; BORKOVEC, Josef

Synthesis of histamine from acrylonitrile; 1,4-diamino-2-butanone. Cesk. farm. 4 no.9:457-458 Nov 55.

1. Z Ustavu organicke chemie prirodovedecke fakulty
Masarykovy university v Brne.

(KETONES, preparation of,
1,4-diamino-2-butanone, from acrylonitrile)
(CYANIDES,
acrylonitrile, synthesis of 1,4-diamino-2-
butanone)

MICHALSKY, J. ; BORKOVEC, J.

Some further 4, 4'-bis (aminoalkyl)-(2,2')-dithiazoles. p. 1872

Vol. 48, no. 12, Dec. 1954
CHEMICKE LISTY
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

MICHALSKY, J.

CZECH

Preparation of 4,4'-bis(β -aminoethyl)-2,2'-dithiazolyl. J. Michalsky and J. Borkovec (Masarykova Univ., Brno), *Chem. Zvesti* 48, 1280-1 (1954); cf. C.A. 49, 844f. o -C₆H₄(CO)₂NCH₂CH₂COCHN₂ (10 g.) suspended in 30 ml. AcOH and treated with 40% HBr gave 11.5 g. (94.6%) o -C₆H₄(CO)₂NCH₂CH₂COCH₂Br (I), m. 120°. Treating 1 g. I in 10 ml. abs. EtOH with 0.2 g. (CSNH₅), refluxing the soln. 40 min. on the steam bath, and filtering the crystals after cooling gave 0.55 g. (63%) 4,4'-bis(β -phthalimid-ethyl)-2,2'-bithiazolyl (II), m. 260-7° (from EtOH-C₆H₆). Refluxing 0.5 g. II in 30 ml. AcOH with 20 ml. 37% HCl 7 hrs., and after addn. of 10 ml. HCl 8 more hrs., evap. the soln. *in vacuo*, filtering off the o -C₆H₄(CO₂H)₂, diss. the filtrate with 5 ml. H₂O, decolorizing the soln. with C, and pptg. the product with 20 ml. EtOH-Et₂O 1:3 gave 0.25 g. (78.6%) 4,4'-bis(β -aminoethyl)-2,2'-bithiazolyl-2HCl, decomp. above 300° without melting; dihydrate, m. 278-80° (decompn.). M. Hudlický

80 ml. H₂O pptd. 2.5 g. (44.2%) α -C₆H₄(CO)₂NCHMeCH₂CO₂H (IV), m. 105-6° (hydrate), 121-22° (anhyd.). Dissolving 2 g. IV in 8 ml. SOCl₂, heating the soln. 20 min. at 60°, removing excess SOCl₂ *in vacuo*, dissolving the product in C₆H₆ (5 ml.), cooling the soln., adding it to the ether soln. of CH₃N₃ (from 4.5 g. N(CH₃)CONMeNO), and allowing the mixt. to stand 12 hrs. at 0° yielded 1.0 g. (90.4%) α -C₆H₄(CO)₂NCHMeCH₂COCHN₃ (V), m. 115° (from MeOH-Et₂O). Adding HBr (d. 1.38) to the suspension of 5 g. V in 15 ml. AcOH, dilg. the soln. with H₂O, filtering the product, washing it with ice water, and cryatg. from abs. EtOH yielded 5.2 g. (84.1%) α -C₆H₄(CO)₂NCHMeCH₂COCH₂Br (VI), m. 168°. α -C₆H₄(CO)₂NCH₂CH₂COCH₂Cl (2.05 g.) (C.d. 49.844) dissolved in 3 ml. C₆H₅N, heated 10 min. at 55-60°, gave 2.55 g. (98%) α -C₆H₄(CO)₂NCH₂CH₂COCH₂NC₆H₅ Cl (VII), m. 225-8° (from EtOH-Et₂O mixt.). Mixing the soln. of 1.5 g. VII in 30 ml. EtOH with a soln. of 0.58 g. p-ONC₆H₄NMe₂ in 40 ml. EtOH, and treating the mixt. with 0.18 g. aq. alc. NaOH at -10° gave 1.2 g. (72%) of a nitron, α -C₆H₄(CO)₂NCH₂CH₂COCH₂N(O)C₆H₄NMe₂ (VIII), yellow needles, m. 162-3° (from EtOH-C₆H₆). Treating 2.5 g. VIII dissolved in 50 ml. Et₂O with 60 ml. 2 N HCl, extg. the aq. layer with 30-ml. portions Et₂O, washing the ext. with dil. HCl, with H₂O, with 1 N Na₂CO₃, drying and evapp. the ext. *in vacuo*, dissolving the oily residue in 20 ml. EtOH, and heating the soln. 30 min. on the steam bath with an equiv. amt. of α -C₆H₄(NH₂)₂ yielded 0.8 g. (38%) I, m. 160°. VI (1 g.) treated with C₆H₅N gave 1.1 g. (88%) α -C₆H₄(CO)₂NCH₂MeCH₂COCH₂NC₆H₅ (IX), m. 235-7°. IX (0.93 g.) yielded 0.7 g. (77%) nitron α -C₆H₄(CO)₂NCHMeCH₂COCH₂N(O)C₆H₄NMe₂, m. 147°, which was transformed to II, m. 137° (from EtOH) in a 44.0% yield. M. Hudlický

Josef Borkovec.
 Me), m. 105-10° (from Et₂O). The following deriva. were
 prepd. in the same manner as their lower homologs: II
 (R = Me) (80%), m. 120-1° (from MeOH); III (R =
 Me) (83%), m. 123-5° (with 1 mol. EtOH); IV (R =
 Me) (61%), m. 153-90°; V (R = Me) (80%), m. 124-
 5° (from Et₂O); and VI (R = Me) (70%), m. 104-6°
 (from EtOH-Et₂O). II. Josef Borkovec, Jih Michalský,
 and Miloš Ambrož. *Ibid.* 865-8. By the method pre-
 viously described, 2-(β -phthalimidooethyl)guinoxaline (I) and
 2-(β -phthalimidopropyl)guinoxaline (II) were synthesized.
 o-C₆H₄(CO)₂NCHMeCOCHN₂ (10 g.) dissolved in 200 ml.
 MeOH and heated at 60-70° was treated with MeOH sus-
 pension of Ag₂O prepd. from 2 g. AgNO₃, the mixt. boiled
 shortly with C, filtered, the filtrate evapd. *in vacuo*, the
 residue dissolved in Et₂O, the soln. washed with H₂O,
 dried and evapd. to give 8 g. (54.3%) o-C₆H₄(CO)₂NCH-
 MeCH₂CO₂Me (III), m. 62-3°. The same product was
 obtained by esterification of the free acid (IV) (m. 121-2°)
 with CH₃N₂. Heating 6 g. III 3 hrs. at 60-8° with 40 ml.
 HBr (d. 1.38), filtering the soln., and dilg. the filtrate with

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(613.12)

Prep. CATION

portions of Et₂O, washing the ether ext. with dil. HCl, with H₂O, drying with CaCl₂ and evapp. *in vacuo* gave 0.6 g. of a non-cryst. residue which was transformed, by adding 250 mg. *o*-C₆H₄(NH₂)₂ in 10 ml. EtOH, to 740 mg. (80%) 2-phthalimidomethylquinexallene (V), m. 227-8° (from EtOH). Heating a mixt. of 0.6 g. V in 40 ml. EtOH with 0.2 g. 100% NaH₂H₂O in 20 ml. EtOH on the steam bath 2 hrs., removing the sepd. crystals, evapp. the soln. *in vacuo*, dissolving the residue with AcOEt, adding the sepd. crystals to the soln., shaking the soln. with 10 ml. 30% KOH, extg. the aq. layer with 20 ml. AcOEt, washing the ext. with H₂O, drying, and treating 15 ml. with dry HCl gave 0.24 g. (71%) of the HCl salt of VI, m. 206-7° (decomp.) (±)-*o*-C₆H₄(CO)₂NCHMeCO₂H (10 g.) treated with SOCl₂, 1 hr. at 60-70° gave the chloride, which, dissolved in 40 ml. CCl₄ and treated at -10° with a CH₃N₃ soln. (prepd. from 14 g. NH₄CONMeNO₂), yielded 8.5 g. (76%) I (R =

MICHALSKY, JIR
MICHALSKY, JIR

CZECH

Amidoximes, I. Josef Borkover, Jiri Michal-
sky, Emil Kabisic, and Jaromir Vlachek (Mamařkova
univ., Brno, Czech). Chem. Listy 48, 717-21 (1954).
2-Aminoalkylamidoximes have been prepd. from α -C₂H₅-
(CO)₂NCHRCOCHN₂ (I) (R = H, Ia) (0.4 g.) in 50
ml. Et₂O satd. with dry HCl gave 0.35 g. (84%) α -C₂H₅-
(CO)₂NCHRCOCH₂Cl (II) (R = H, IIa), m. 139-40°
(from MeOH). Better yield (88%) was obtained by adding
37% aq. HCl to Ia in AcOH. IIa (1 g.) was dissolved in
10 ml. dry C₂H₅N, the soln. heated 15 min. on the steam-
bath, the HCl salt sepd., washed with C₂H₅ to yield 1.4 g.
(92%) α -C₂H₅(CO)₂NCHRCOCH₂NH₂ (III) (R = H,
IIIa), m. 198-40° (from EtOH) (1 mol. of EtOH of crystn.),
and m. 195-202°. Treating a mixt. of 10 g. IIIa in 70 ml.
EtOH with 4.7 g. p-ONC₂H₄NMe₂ in 80 ml. EtOH, and
at -10° with an alc. soln. of 1.4 g. KOH, allowing to
stand 2 hrs., dilg. with 200 ml. H₂O, sepg. the crystals,
washing them with H₂O and dil. EtOH, and crystg. the
compd. from C₂H₅-EtOH 5:2 yielded 9.2 g. (98%) α -C₂H₅-
(CO)₂NCHRCOCH₂N(O)C₂H₄NMe₂ (IV) (R = H, IVa), m.
202-4°. Suspending 6.5 g. nitron IVa in Et₂O, shaking
the suspension with 20 ml. 15% HCl until IVa dissolved,
sepg. the ether layer, repeating the extr. with 5-40-ml.

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③

AD 804

POLAND

KASZUBKIEWICZ, Czeslaw; MICHALSKI, Zbigniew; and ZAKRZEWSKI, Aleksander,
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"Observations on Infectious Wasting Inflammation of the Nose in Pigs"

Lublin, Medycyna Weterynaryjna, Vol 22, No 10, Oct 66; p. 584-588

Abstract [English summary modified]: Data on infectious atrophic rhinitis in pigs on 3 large farms 1962-64, and in inoculated rabbits: mode of transmission of disease is unpredictable and undeterminable although elimination of all sick from a herd seems to arrest progress; however, some animals may be only apparently healthy. Some sick sows may have healthy litters. Table, 3 photographs of sick animals, 6 of pathological specimens; 1 Czech, 5 Soviet, 5 Polish, 2 Western references.

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POLAND

MICHALSKI, Zbigniew and OSINSKI, Bogdan; Chair of Pathological Anatomy (Katedra Anatomii Patologicznej) Head pro tem (kurator) Docent Dr Marian KUPROWSKI; and Chair of Surgery (Katedra Chirurgii), Veterinary College of Agricultural University (Wydział Weterynaryjny WSR), Wrocław. Head (Kierownik) of Chair of Surgery: Docent Dr Ryszard BADURA.

"Experimental Use of Omental Segment and Absorbable Sponge Material for Hemostasis Following Partial Nephrectomy."

Lublin, Medycyna Weterynaryjna, Vol 21, No 10, Oct 65; pp 618-621.

Abstract [English summary modified]: An alloplastic fibrin sponge dressing was found much less suitable as surgical hemostatic material in partial nephrectomy in rabbits than autoplasmic fatty abdominal omental tissue; mainly this was due to inflammatory reaction which the sponge induced in the renal parenchyma. Five photomicrographs. Two Hungarian, 9 Polish and 13 Western references.

MICHALSKI, Zbigniew; MATKOWSKI, Jozef; BELOWSKI, Henryk

Comparison of the morphologic picture of the gastric mucosa in dogs before and after resection of the vagus nerve. Pat. Pol. 16 no.1:11-20 Ja-Mr'65.

1. Z Katedry Anatomii Patologicznej Wydział Wet. Wyższej Szkoły Rolniczej we Wrocławiu (Kierownik: prof. dr. med. A. Zakrzewski) i z Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. K. Czyżewski).

POLAND

MICHALSKI, Zbigniew and RUDNICKA, Jadwiga of the Chair of Pathological Anatomy (Katedra Anatomii Patologicznej), Veterinary Division (Wydział Weterynaryjny) of the WSR [Wyższa Szkoła Rolnicza, Higher School of Agriculture] in Wrocław (Director: Prof. Dr. Aleksander ZAKRZEWSKI) and of the First Clinic of Internal Diseases (I Klinika Chorob Wewnętrznych) of the AM [Akademia Medyczna, Medical Academy] in Wrocław (Director: Prof. Dr. Zofia CZEZOWSKA)

"Experimental Poisoning of Rabbits with Methyl Alcohol."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 18, No 9, Sep 62, pp 531-535

Abstract: [Authors' English summary, modified] Materials, procedure, and results are given for the study of experimental poisoning of rabbits with methyl alcohol and with formaldehyde. Authors conclude that formaldehyde is probably the responsible agent in both cases. Of the 14 references, 6 are in German, 5 are in English, and 3 in Polish language periodicals.

Warsaw, Naczoyna Weterynaryjna, Vol 18, No 4, April 1962.
(continued)

PP/212-212

8. "Determination of the Global Artificial Radioactivity in the Bones of Slaughter Animals in 1959 and 1960," Marcin SZULC of the Chair of Hygiene of Animal Products (Katedra Higieny Produktow Zwierzecychn) of the Faculty of Veterinary Science at SWOZ at Warsaw (Director: Prof. Dr. Jan HAY); pp 212-215 (English summary).
9. "The Polish Portable Trichoscope 'M. Tr.' for Field Work," Miodaw MATYSIAK; p 216.
10. "Selected Problems of Diseases of Calves," Marian KSILOCH; pp 216-219.
11. "A Case of Parturient Paresis in a Cow in the Eleventh Month of Pregnancy," Jan KRZYWONOSKI; pp 219-220.
12. "Two Cases of Coryza gangrenosa bovum," Antoni SZOLEWA HUCZYNSKI of the PLE (Pamietnik, Zaklad Lecznictwa dla Zwierzat, State Animal Hospital) at Milosna; p 220.
13. "Branchiogenic Cyst in a Dog," Ryszard RADURI and Zdzislaw RICHARDZAK of the Chair of Surgery (Katedra Chirurgii) of the Faculty of Veterinary Science at the Higher School of Agriculture (WSR) at Wroclaw (Director: Prof. Dr. Ryszard RADURI) and of the Chair of Pathological Anatomy (Katedra Anatomi Patologicznej) of the Faculty of Veterinary Science at Wroclaw (WSR at Wroclaw (Director: Prof. Dr. Aleksander ZAKRZENSKI); pp 221-222.
14. "Insemination in Fowl," Franciszka OLBRYCHOWA; pp 222-227.
15. "Effect of Yersinia on the Sexual Cycle of Female Rabbits," O. GRENCHENKO, J. KOCZOWSKI, A. OLECI, K. KOPIEC, J. KUCZYNSKI, J. KOCZOWSKI, A. OLECI, J. DUBIJA, I. KUCZKA, E. SZYMANSKI, I. WILKOS, and J. ZIMINSKI, students of the Faculty of Veterinary Medicine and Animal Husbandry (Kolegium Naukowo-Techniczne) of the Chair of Obstetrics (Katedra Poloznictwa) of the WSR at Wroclaw (Director: Prof. Dr. A. SZUBA); pp 227-229.
16. "Attempts to Feed Horses with Surrogates," Zdzislaw HAJLASEK; pp 229-232.

DOROBISZ, Tadeusz; MICHALSKI, Zbigniew; JAWORSKI, Zdzislaw; PAWLOWSKI,
Andrzej

Comparative studies on dog homologous aortic grafts preserved by
various means. Pat. polska 13 no.1:1-16 '62.

1. Z Pracowni Chirurgii Doswiadczałnej Kierownik: doc. dr T. Dorobisz
Z I Kliniki Chirurgicznej AM we Wrocławiu Kierownik: prof. dr.
K. Czyzewski Z Katedry Anatomii Patologicznej Wydz. Wet. WSR we
Wrocławiu Kierownik: prof. dr A. Zakrzewski.
(AORTA transpl)

MICHALSKI, Zbigniew
 SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliation:

Source: Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961,
 pp 584-586

Data: "Listeriosis in Guinea Pigs."

Authors:

JASINSKA, Stanislaw [Academic Degrees not given], Department of Microbiology
 (Katedra Mikrobiologii), Veterinary Department (Wydział Weterynaryjny) of the
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 Adam Skurski

MICHALSKI, Zbigniew [Academic Degrees not given], Department of Epizootiology
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 Dr Tadeusz Sobiech

WACHNIK, Zenon, [Academic Degrees not given], Department of Pathological Anatomy
 (Katedra Anatomii Patologicznej), Veterinary Department (Wydział Weterynaryjny)
 of the WSR [Abbreviation not identified], Wrocław; Director (Kierownik):
 Prof Dr Aleksander Zdzienicki

MICHALSKA, Z.; MICHALSKI, Z. (Wroclaw)

On thymus neoplasms in animals and the author's own case of thymoma
in a goat. Rocznik wet 70 no.1/4:98-99 '60.
(EEAI 10:9)

(Tumors) (Animals) (Thymus gland) (Goat)

MICHALSKI, Z. : 106580 II
 COUNTRY : Chemical Technology, Chemical Products and Their
 Applications, pesticides.
 ABS. JOUR. : RZKChia., No 19, 1959, No. 68823
 AUTHOR : Polozu, I.; Baranowski, T.; Michalski, Z.
 INSTITUTE : -
 TITLE : Indigenous Production of Rhodenticides and the
 Ways of Its Development.
 ORIG. PUB. : Trud. chem., 1958, 37, 10 6, 572-575
 ABSTRACT : No abstract

Cards: 1/1

P - 59

MICHALSKI, Z.

POLAND / General Problems of Pathology. Tumors. U
Comparative Oncology. Animal Tumors.

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13606

Author : Badura, R.; Kwiatkowski, T.; Michalski, Z.

Inst : -

Title : Adenoma of the Prostate of a Dog.

Orig Pub : Med. weteryn., 1957, 13, No. 12, 725-727

Abstract : In a 10-year-old male dog, a progressively-growing tumor was discovered in the abdominal cavity over the urinary bladder. Pathohistologically, a cystadenoma of the prostate was diagnosed.

Card 1/1

MICHALSKI, W.

Journal of the Science
of Food and Agriculture
May 1954
Agriculture and Horticulture

✓ Moisture determination in plant material by the distillation method. W. Michalski (*Prace Kom. Nauk. farm. polsk. Acad.*, 1952, 4, 209-220). The volumetric method described is based on using the same apparatus as for determining the essential oil content, and on carrying out the distillation with xylene or tetrachloroethane, the latter requiring less time and giving the more accurate results. The apparatus of Deryng (*Acta polon. pharm.*, 1951, 8, 121) (to be used with tetrachloroethane) is superior to those of Clevenger (*J. Amer. pharm. Ass.*, 1928, 17, 346), Cocking (*Quart. J. Pharm.*, 1935, 8, 435), and Wasicky (*Zeitschrift für die pharmakognostischen Untersuchungen*, 1938), and the method is more rapid than the gravimetric method. It is equally accurate and does not require a finely-pulverised testing material. A. STORFER.

MICHALSKI, Viktor, mgr.inz.

Multimotor driving of paper machines. Pt.2. Simultaneousness
of multimotor driving of direct current. Wiad elektrotechn 30
no.7:229-231 J1 '62.

1. Biuro Projektow Przemyslu Papierniczego, Lodz.

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Multimotor drive of modern paper machines. Pt. 1. Feed systems
and speed control. Wiad elektrotechn 30 no.6:197-199 Je '62.

1. Biuro Projektow Przemyslu Papierniczego, Lodz.

MICHALSKI, Witold, Mgr.

Organization and program of practical training in school workshops and food enterprises. Prum potravin 14 no.9: 464-465 S '63.

1. Ministerstvo osvety Polake lidove republiky, Varsava.

MICHALSKI, Wiktor, mgr inż.

New development trends of multimotor electric drive for
high speed paper machines. Przegl papier 18 no.8:250-255
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1. Biuro Projektow Przemyslu Papierniczego, Lodz.

MICHALSKI, W., mgr inz.

Terminology problems. Przegl papier 20 no.7:238 21 164

MICHALSKI, Tadeusz

Radiation-induced mutations in *Digitalis lanata* Ehrh. Pt.1.
Inst przem ziel Biul 9 no.1/2:45-51 Mr-Je '63.

1. Zakład Hodowli Roslin leczniczych, Instytut Przemysłu
Zielarskiego, Poznań. Kierownik: mgr W. Czabajka.

MICHALSKI, Tadeusz

Pathological EEG picture and epilepsy in children. Neurol. neurochir. psychiat. pol. 13 no.6:772-783 N-D'63

Notes on the course of epilepsy in children. Ibid.: 785-790

1. Z Wojewodzkiej Przychodni Chorob Układu Nerwowego w Kielcach (dyrektor: lek. H. Zajdowska) i z Państwowego Sanatorium Neuropsychiatrii Dziecięcej w Zarach (dyrektor: lek. Z. Krych).

*

HERMAN, E.; DOWZENKO, A.; KOZNIIEWSKA, H.; MICHALSKI, T.; WENDER, M.; WARECKA, K.;
HAUSMANOWA-PETRUSEWICZ, I.; CENDROWSKI, W.; JUS, K.

The 7th International Congress of Neurology in Rome; collective
report. Neurol neurochir psych 12 no.3:455-468 Ky-Je '62.

1. Członek Korespondent Komisji Biometrii i Genetyki przy Światowej
Federacji Neurologów (for Cendrowski).

DOWZENKO, Anatol; MICHALSKI, Tadeusz

Classification of epilepsy. Neur.&c.polska 10 no.5:631-638 '60.

1. Z Kliniki Neurologicznej A.M. w Poznaniu, Kierownik: prof.
dr A.Dowzenko; z Oddziału Neurologicznego Szpitala dla Nerwowo i
Psychicznie Chorych w Gorzowie Wlkp. Ordynator: dr med.T.Michalski.
(EPILEPSY)

MICHALSKI, Tadeusz

Evaluation and classification of epilepsy in children. Neur. &c.
polska 8 no.1:19-28 Jan-Feb '58.

1. Z Panstwowego Sanatorium dla Nerwowo Chorych w Koscianie Wlkp.
Dyrektor: dr K. Kuczewska. Adres: Koscian Wlkp. Panstowe Sanatorium
dla Nerwowo Chorych.
(EPILEPSY,

in inf. & child, classif. & foci of lesions (Pol))

MICHAISKI Tadeusz

Cases of epilepsy and their classification according to clinical and bio-electric syndromes. Neur. &c. polska 7 no.2:205-216 Mar-Apr 57.

1. Z Panstwowego Sanatorium dla Nerwowo Chorych w Koscianie Dyrektor: dr O. Bielawski. Adres: Panstwowe Sanatorium dla Nerwowo Chorych--Koscian.

(EPILEPSY,
classif. (Pol))

POLAND/Human and Animal Physiology - Nervous System.
Epilepsy.

T-10

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32203

Author : Michalski Tadeusz

Inst : -

Title : Investigation of Epilepsy in a Canadian School.

Orig Pub : Postepy neurol., neurochirurg. i psychiatrii, 1956, 2, 99-121.

Abstract : No abstract.

Card 1/1

SLOPEK, Stefan; KANTOCH, Mirosław; MULCZYK, Marian; MICHALSKI, Tadeusz

Electron-microscopic observations of *s. sonnei* (phase I, II and R-form). Arch.immun.ter.dosw. 9 no.3:357-361 '61.

1. Department of Bacteriology and Laboratory of Electron Microscopy,
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Sciences, Wrocław.

(SHIGELLA)